

IN THE CLAIMS

1. (currently amended) A method for mounting a motor to a support, said method comprising:

using—providing a mounting system, the mounting system including a plurality of fasteners, the motor including a pair of endshields and a housing extending therebetween, the housing including a plurality of recessed openings, an outer surface, and an inner surface, said method comprising: a housing body extending between the inner surface and the outer surface, and a plurality of raised projections, wherein each of the projections has a thickness that is equal to approximately a thickness of the housing body;

attaching the fasteners through the openings in the recesses formed in the housing, such that the fasteners extend radially outwardly through the housing and a head of the fasteners is substantially co-planar with an un-recessed portion of the inner surface of the housing and such that the head of the fasteners remain positioned between rotating components of the motor and the housing outer surface; and

attaching the motor to the support using the plurality of fasteners.

2. (currently amended) A method in accordance with Claim 1 wherein the housing further includes a the plurality of raised projections are circumferentially spaced 90 degrees about the housing, each of the plurality of openings disposed within a respective raised projection, attaching the fasteners further comprising inserting each respective fastener through a the respective housing raised projection.

3. (original) A method in accordance with Claim 1 wherein the housing further includes a plurality of raised projections, attaching the fasteners further comprising inserting each of the fasteners through each of the plurality of housing raised projections such that the fasteners extend outwardly from the housing.

4. (previously presented) A method in accordance with Claim 1 wherein attaching the fasteners further comprising crimping the fasteners to an inner surface of the housing.

5. (currently amended) A housing for a motor extending between a pair of endshields, said housing comprising:

an inner surface;

an outer surface, said inner surface extending between a rotating component of the motor and said outer surface;

a housing body extending between said inner surface and said outer surface, said body comprising a thickness;

at least one raised projection extending outwardly from at least one of said housing inner surface and said housing outer surface defining a recess with respect to said housing inner surface, said projection comprising at least one opening extending therethrough, said at least one raised projection comprising a thickness approximately equal to said housing body thickness; and

at least one fastener having a top surface, said at least one fastener extends outwardly through said housing opening such that said top surface is substantially co-planar with an unrecessed portion of said housing inner surface.

6. (original) A housing in accordance with Claim 5 wherein said housing further comprises a plurality of raised projections, said projections spaced circumferentially.

7. (original) A housing in accordance with Claim 5 wherein said housing further comprises a plurality of raised projections, adjacent said projections spaced circumferentially 90 degrees about the housing.

8. (original) A housing in accordance with Claim 5 wherein said housing comprises a cylindrical body.

9. (original) A housing in accordance with Claim 5 wherein said inner surface of said raised projections comprises at least one attachment point.

10. (original) A housing in accordance with Claim 5 wherein said inner surface of said raised projections comprises a plurality of attachment points configured to receive a fastener.

11. (original) A housing in accordance with Claim 5 wherein said housing comprises a plurality of fasteners configured to attach to said inner surface of said raised projections such that said fasteners extend outwardly from said housing.

12. (original) A housing in accordance with Claim 5 wherein said plurality of fasteners are attached to the housing inner surface by at least a weld, a crimp, and an adhesive.

13. (original) A housing in accordance with Claim 5 wherein said plurality of fasteners are attached to said inner surface of said raised projection such that said fasteners are disposed inside inner surface.

14. (currently amended) A motor comprising:

a pair of endshields;

a housing extending between said endshields including at least one raised projection extending outwardly from said housing, said housing comprising an outer surface and surface, an opposite inner surface, and a body extending therebetween, said body comprising a thickness, said projection defining a recess with respect to said inner surface and comprising a thickness approximately equal to said housing body thickness, at least one opening extending through said recess, and at least one fastener having a top surface, said at least one fastener extends outwardly through said housing such that said top surface is substantially co-planar with said inner surface; and

a stator-rotor assembly mounted in said housing, such that said housing inner surface extends between said stator-rotor assembly and said housing outer surface.

15. (original) A motor in accordance with Claim 14 wherein said housing further comprises a plurality of raised projections, said projections spaced circumferentially 90 degrees about the housing.

16. (original) A motor in accordance with Claim 14 wherein said housing is substantially cylindrically shaped.

17. (previously presented) A motor in accordance with Claim 14 wherein said raised projections comprise a plurality of attachment points configured to receive a fastener.

18. (previously presented) A motor in accordance with Claim 14 further comprising a plurality of fasteners configured to contact said inner surface of said raised projections and extend outwardly from said housing through said opening.

19. (previously presented) A motor in accordance with Claim 18 wherein said plurality of fasteners are attached to said inner surface of said raised projection by at least one of a weld, a crimp, and an adhesive.

20. (previously presented) A motor in accordance with Claim 14 wherein said plurality of fasteners contact said inner surface of said raised projection such that a head of said fasteners is substantially co-planar with said housing inner surface.